



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

SWA10A-2-OH Job Sheet OH183531



Part No: SWA10A-2-OH

Job Qty: 1 ea

Part Name: Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 9/19/18

Job Tracking No: RA433

Due Date: 9/28/18

Created By: Michelle Gagnon-Donovan

Type: Rework - OH

Description: SN: AC10005

Note: DWG SWA10A Rev. 3 IPP Rev. A 18.06.01 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		9/28/18	0.00	0.00	Start Up Small Fab-2		
110	Small Fab	1 pcs		9/28/18	0.00	1.00	Small Fab-6		
120	QC	1 pcs		9/28/18	0.00	0.00	QC5		
125	Customer Acceptance	1 pcs		9/28/18	0.00	0.00	QC6		
130	Outsource	1 pcs		9/28/18			SKY002-VC	PO 41080	09/18/09/20 41
140	Packaging	1 pcs		9/28/18	0.00	0.00	Packaging2		SEP 25 2018
180	QC	1 pcs		9/28/18	0.00	0.00	QC6		38
190	Small Fab	1 pcs		9/28/18	0.00	1.00	Small Fab-5		AB 9-89 7X
200	QC	1 pcs		9/28/18	0.00	0.00	QC5		2150
210	DC	1 pcs		9/28/18	0.00	0.00	DC		9-89 OCT 04 2018
220	Packaging	1 pcs		9/28/18	0.00	0.00	Packaging3-2		DAS SB
230	QC21-FG	1 Ea		9/28/18	0.00	0.00	QC21		21 9-89 OCT 04 2018

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 120 -

190 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

210 - Photocopy blue file and create labels



Container No: S111687



Part: SWA10A-2

Job No: OH183531

Serial No/Batch: S111687

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 09/20/18

Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
SWA10A-2-AR	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	1 pcs (1 ea)	90-Start up Operation	
188-FPSS-1032-5/8	Set Screw	1 Ea (1 ea)	190-Small Fab	5037083
188-FSCS-1032-5/8	Set Screw	4 Ea (4 ea)	190-Small Fab	5108235
C10-28	Swivel Bushing, C10/SWA10	1 Ea (1 ea)	190-Small Fab	
EL-PLUG-F	3-Prong Female Spade Plug	1 Ea (1 ea)	190-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	190-Small Fab	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge	6 ft (6 ea)	190-Small Fab	5047767
SWA10A-100	Lower End	1 Ea (1 ea)	190-Small Fab	
SWA10A-1100	Upper DU Bearing	1 Ea (1 ea)	190-Small Fab	5029387
SWA10A-1200	Lower DU Bearing	1 Ea (1 ea)	190-Small Fab	5053845
SWA10A-1300	Roller Thrust Bearing	1 Ea (1 ea)	190-Small Fab	5066607
SWA10A-1400	Circlip	1 Ea (1 ea)	190-Small Fab	5077643
SWA10A-1800	Cover	1 Ea (1 ea)	190-Small Fab	
SWA10A-200	Upper End Swivel	1 Ea (1 ea)	190-Small Fab	
SWA10A-300	Bearing Housing	1 Ea (1 ea)	190-Small Fab	
SWA10A-400	Thrust Washer	1 Ea (1 ea)	190-Small Fab	5098218
SWA10A-500	Semi-Rings	1 Ea (1 ea)	190-Small Fab	5068691
SWA10A-600	Collar	1 Ea (1 ea)	190-Small Fab	
SWA10A-700A	Wire Clamp	2 Ea (2 ea)	190-Small Fab	
SWA6A-1900	1/4" Female Spade Connector	4 Ea (4 ea)	190-Small Fab	5047663
SWA6A-800A	Connector Bushing	1 Ea (1 ea)	190-Small Fab	
SWA6A-900A	Rotary Connector - 2 wire	1 pcs (1 ea)	190-Small Fab	5108762

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	SWA10A-2	1	0	0
190-Small Fab	188-FPSS-1032-5/8	1	156	0
	188-FSCS-1032-5/8	4	321	0
	C10-28	1	36	0
	EL-PLUG-F	1	25	0
	EL-PLUG-M	1	94	0
	EL314-SJTOW	6	255	0
	SWA10A-100	1	8	0
	SWA10A-1100	1	7	0
	SWA10A-1200	1	26	0
	SWA10A-1300	1	15	0
	SWA10A-1400	1	16	0
	SWA10A-1800	1	13	0
	SWA10A-200	1	17	0
	SWA10A-300	1	10	0
	SWA10A-400	1	6	0
	SWA10A-500	1	14	0
	SWA10A-600	1	17	0
	SWA10A-700A	2	12	0
	SWA6A-1900	4	556	0
	SWA6A-800A	1	16	0
	SWA6A-900A	1	18	0

Part Specifications

Specifications could not be found.

Plex 9/19/18 1:45 PM Dart.Gagnon.Michelle

Inspection Sheet Complete RA433 (Hby)

Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Customer QA Ref #		New Job #	Work order instructions
									Original Container #	New (Receiving) Serial #		
SWA10A-2-AR	AC10005		1	☒ yes	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	AC10005	S108580		Overhaul
0			0	☐ yes	☐ es	☐ es	☐ es					
0			0	☐ es	☐ es	☐ es	☐ es					
0			0	☐ es	☐ es	☐ es	☐ es					
0			0	☐ es	☐ es	☐ es	☐ es					
0			0	☐ es	☐ es	☐ es	☐ es					

QC Approval: _____ 0

Date: 0-Jan-00 _____

Special Return/Rework Instructions:



SHIPPED FROM:

PHONE

FAX

9036

SHIPPED DATE

SALESMAN

CONTRACT #

SHIP TO:

SHIP TO: Dart Aerospace LTD
1270 Aberdeen St, Hwy Kesbury, Ont
K6A-1K7, (800)-556-4166

1. Order is to be entered in accordance with prices, delivery and specifications shown.
2. Please notify us immediately if you do not receive shipment as specified.

Comments:

SHIPPER'S NAME



237-27312 Township Road 394
Blackfalds, AB T0M 0J0
Canada
Phone: 403-885-5220
Fax: 403-885-5240
www.mustanghelicopters.com
AMO: 62-02

Overhaul Order #1366

Date	Aug 28, 2018
Created By	bkrauss
Type	Overhaul
Currency	USD

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Overhaul Order #1366

To DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY ON K6A-1K7 CANADA Tel: (800) 556-4166, Fax: 613-632-4443 Email: ccrooks@dartaero.com	Order from BlackFalds MUSTANG HELICOPTERS INC. 237-27312 TOWNSHIP ROAD #394 BLACKFALDS, AB T0M 0J0 Tel: 403-885-5220, Fax: 403-885-5240
Ship to MUSTANG HELICOPTERS INC. 237-27312 TOWNSHIP ROAD #394 BLACKFALDS, AB T0M 0J0 Tel: 403-885-5220, Fax: 403-885-5240	Bill to MUSTANG HELICOPTERS INC. BILLING RR #1, SITE #1, COMP #4 BLACKFALDS, AB T0M 0J0 Tel: 403-885-5220, Fax: 403-885-5240

** Work to be accomplished at this time **

Please, perform Overhaul
A work report is required
Estimation is needed.

Parts description

Part Number	Description	Tracking #	Ser/Batch #	TTSN	TTSO	Reg	Est. Cost
SWA10A-2	SWIVEL 10,000 LBS	26960	AC10005			C-GFIT	\$0.00
C.C	C-GFIT	Defect	NO CONTINUITY THROUGH SWIVEL ON POWER SIDE, REQUIRES REPAIR, REMOVED FROM C-GFIT				

Bret Krauss
Signature

Aug 28, 2018
Date



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

QUOTE ACKNOWLEDGEMENT

CUSTOMER

Customer Code: CMUST01

Sold To: Mustang Helicopters Inc

RR#1, Site# 1, Comp 4
Blackfalds AB T0M 0J0
Canada

Phone: (403) 885-5220
Fax: (403) 885-5240

Ship To: Mustang Helicopters Inc

RR#1, Site# 1, Comp 4
Blackfalds AB T0M 0J0
Canada

Phone: (403) 885-5220
Fax: (403) 885-5240

QUOTE

Quote No : 9180

Date: 8/29/18

Ship-To Contact: Bret Krauss

Email: bret@mustanghelicopters.com

Cust PO No:

FOB: Shipping Point

Ship Via:

Freight Terms: PrePaid

Terms: Net 30

INCO Terms:

Order Taker: Caitlin Crooks

Order Taker Phone:

Order Taker Email: ccrooks@dartaero.com

Line No	Due Date	Ship Date	Part	Description/Note	Quantity	Unit	Price	Unit	Extended Price
1			SWA10A-2	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	1	pcs	\$900.00	pcs	\$900.00
Sub Total									\$900.00
Tax									\$117.00
Sub Total									\$1,017.00
Grand Total									\$1,017.00

ORDER NOTES

LEAD TIME 8 WEEKS AFTER RECEIPT OF UNIT

The overhaul cost includes the normal replacement parts. If any issues are found, we will notify of the issue and cost before proceeding. Customer must add to their PO "for repair only".

All Prices Quoted In USD & Valid For 30 Days. All Parts Subject To Prior Sale & Are Ex-Works Manufacturing Facility In Hawkesbury, ON, Canada

Duties And Taxes Not Included In Quote

Freight Not Included In This Quote

Please do not send back the overhaul or repair unit prior to receiving a return authorization form

Pricing may be revised upon receipt and inspection of unit. Revised quote will be sent to also include extra parts/time needed to perform repairs other than regular overhaul

RETURN AUTHORIZATION



RA #:

RA433 (Hby)

Date:

August 30, 2018

Attention:

Bret Krauss

E-mail:

bret@mustanghelicopters.com

From:

Sian Willems

RETURN ADDRESS

☒ Hawkesbury Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 1K7, CA 1-613-632-3336	☐ Vista Dart Aerospace Ltd. 3030 Enterprise Court, Suite A Vista, CA 92081-8347, US 1-760-724-5300	☐ Broussard Dart Aerospace Ltd. 105 Dairy Lane Broussard, LA 70518, US 1-337-839-0500
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SHIPPING

Courier: Customer choice

Account #: Customer account

COMMERCIAL INVOICE INFORMATION

Item #1		Item #2	
P/N:	SWA10A-2-AR	P/N:	0
Special Return/Rework Instructions:	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	Description:	0
Qty:	1	Qty:	0
Flown:	Yes	Flown:	0
Customs Value USD:	N/A	Customs Value USD:	\$0
Batch / Serial #	AC10005	Batch / Serial #	0
Item #3		Item #4	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0
Item #5		Item #6	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0

ADDITIONAL RETURN AUTHORIZATION INFORMATION

- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return:

Pre-Disassembly
Testing.

Electric Swivel
SWA10A

Work Order

BH183531

Customer

RA433

Number of Wires

2

Date

19/09/18

Serial Number

AC10005

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	10,000	Check for Conductivity against all wires.	Fail
1	10,000	Check all wires for grounding against swivel body.	Pass
1	5,000	Check for Conductivity against all wires.	Fail
1	5,000	Check all wires for grounding against swivel body.	Pass
1	2,500	Check for Conductivity against all wires.	Fail
1	2,500	Check all wires for grounding against swivel body.	Pass
1	0	Check for Conductivity against all wires.	Fail
1	0	Check all wires for grounding against swivel body.	Pass

Test Conducted By:

Francis Cacroix

Technician

Signature:

DAS
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9-89

SEP 25 2018

QC 5 Small FAB / QA

Submit



Overhaul Incoming Inspection
SWIVEL

Customer RA433 - OH183531

Date 19/09/18

Part Number Model: SWA10A-2

Serial Number AL100005

Additional Recommended Replacement Parts

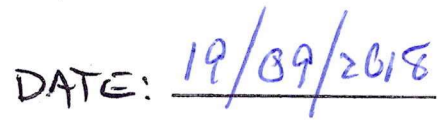
Part Number to Replace

Customer Approval

<u>SWAGA-900A - switch (1x)</u>	☐
<u>SWAGA-800A connector Bushing (1x)</u>	☐
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<u> </u>	☐

Inspected By

Francis Lacroix



MODEL: SWA/BA-2

S/N : AC100005

[illegible]



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO041080

Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No:	PO041080
PO Date:	9/20/18
Due Date:	9/25/18
Purchase Order Revision:	
Revision Date:	
Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com

Via:	Ground
Pymt Terms:	Net 30

Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH183531	SWA10A-2-OH	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	Firmed	-	9/25/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
										Grand Total:	\$178.00

DAS
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Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/25/18 12:43 PM dart.lavoie.chantal

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO37545	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO041080 ✓
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

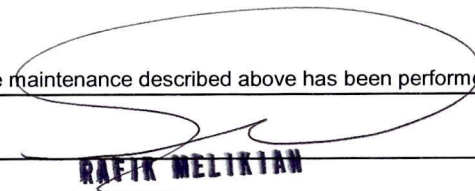
Work Required:

CARRY OUT NDT ON 1 ELECTRIC SWIVEL KIT P/N# SWA10A-2-OH , J/S# OH183531 ✓

Action Taken:						Date:	Initial/Stamp:
MPI C/O IAW ASTM E-1444 REV. 16 ***NO CRACK FOUND*** MAGBENCH S/N 208123 CAL DUE: 16-OCT-2018 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO20165						SEP 24 2018	
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

DAS
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9-89

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature: 	ACA/SCA Stamp 	Date: SEP 24 2018
Name: RAFIK MELIKIAN		

Work Order BH183531Customer RA433 9180Number of Wires 2Date 04/10/18Serial Number AC10005

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	10,000	Check for Conductivity against all wires.	Pass
1	10,000	Check all wires for grounding against swivel body.	Pass
1	5,000	Check for Conductivity against all wires.	Pass
1	5,000	Check all wires for grounding against swivel body.	Pass
1	2,500	Check for Conductivity against all wires.	Pass
1	2,500	Check all wires for grounding against swivel body.	Pass
1	0	Check for Conductivity against all wires.	Pass
1	0	Check all wires for grounding against swivel body.	Pass

Test Conducted By: Francis Laerboix
Technician

Signature:

Sylvie Boucher
QC 5 Small FAB / QA**Submit**